



# Essential LED - Affordable LED solution

## Essential LED

Essential LED is an affordable LED spot lamp that is suitable for replacing halogen spot lamps. It provides a natural lighting effect as well as instant energy savings – an environmentally friendly solution. The Philips Essential LED family is designed for spot and general lighting applications in the hospitality, retail and home segments.

### Benefits

- Reduced operational cost thanks to energy savings of up to 80%
- Reduced operational cost thanks to energy savings of up to 80%
- Lower maintenance cost thanks to more than five times longer lifetime than conventional halogen spot lamps
- Lower maintenance cost thanks to more than five times longer lifetime than conventional halogen spot lamps
- Easy retrofit, upgrading the existing luminaire to LED technology
- Easy retrofit, upgrading the existing luminaire to LED technology

### Features

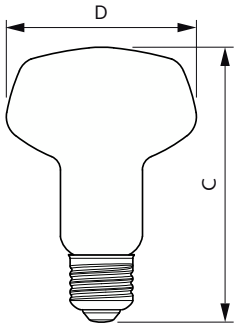
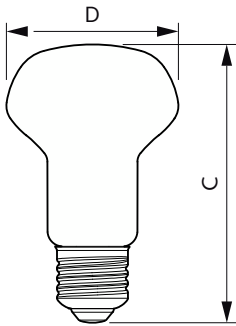
- Lower energy consumption compared to halogen spot lamp
- Lower energy consumption compared to halogen spot lamp
- Retrofit replacement of halogen spot lamps with existing transformers
- Retrofit replacement of halogen spot lamps with existing transformers
- No UV/IR or mercury
- No UV/IR or mercury

# Essential LED

## Application

- Hospitality (restaurants, hotels, coffee bars)
- Hospitality (restaurants, hotels, coffee bars)
- Retail
- Retail
- Homes
- Homes

## Dimensional drawing



Product	D	C
ESS LED 7W E27 2700K 230V R63	63 mm	102 mm
ESS LED 7W E27 6500K 230V R63	63 mm	102 mm

Product	D	C
ESS LED 9W E27 2700K 230V R80	80 mm	115 mm
ESS LED 9W E27 6500K 230V R80	80 mm	115 mm

General Information	
Cap-Base	E27
Switching Cycle	50,000
Nominal lifetime	15,000 hour(s)
Light Technical	
Beam Angle (Nom)	120 degree(s)
Color rendering index (CRI)	80
Operating and Electrical	
Input Frequency	50 to 60 Hz
Line Frequency	50 to 60 Hz
Starting Time (Nom)	0.5 s
Controls and Dimming	
Dimmable	No

## Light Technical

Order Code	Full Product Name	Correlated Color Temperature (Nom)	Color Code	LLMF At End Of	
				Nominal Lifetime (Nom)	Luminous Flux
929001857608	ESS LED 7W E27 2700K 230V R63	2700 K	827	70 %	680 lumen
929001857808	ESS LED 7W E27 6500K 230V R63	6500 K	865	70 %	720 lumen
929001857908	ESS LED 9W E27 2700K 230V R80	2700 K	827	0.7 %	880 lumen
929001858108	ESS LED 9W E27 6500K 230V R80	6500 K	865	0.7 %	950 lumen

## Operating and Electrical

# Essential LED

Order Code	Full Product Name	Power Consumption	Wattage Equivalent
929001857608	ESS LED 7W E27 2700K 230V R63	7 W	70 W
929001857808	ESS LED 7W E27 6500K 230V R63	7 W	70 W

Order Code	Full Product Name	Power Consumption	Wattage Equivalent
929001857908	ESS LED 9W E27 2700K 230V R80	9 W	80 W
929001858108	ESS LED 9W E27 6500K 230V R80	9 W	80 W

## Temperature

Order Code	Full Product Name	T-Case Maximum (Nom)
929001857608	ESS LED 7W E27 2700K 230V R63	68 °C
929001857808	ESS LED 7W E27 6500K 230V R63	68 °C

Order Code	Full Product Name	T-Case Maximum (Nom)
929001857908	ESS LED 9W E27 2700K 230V R80	72 °C
929001858108	ESS LED 9W E27 6500K 230V R80	72 °C

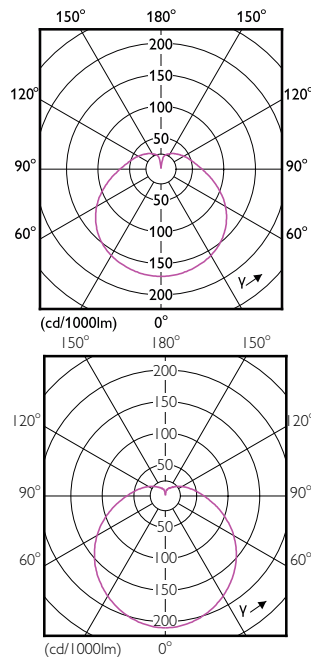
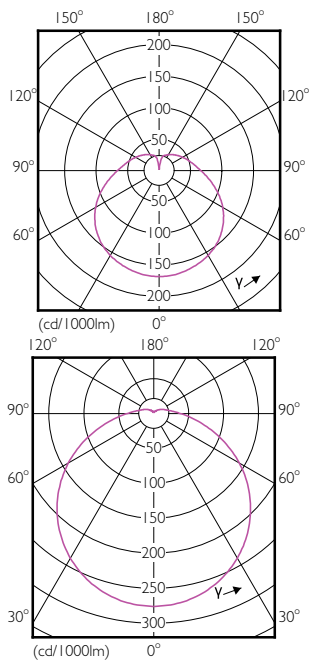
## Mechanical and Housing

Order Code	Full Product Name	Bulb Shape
929001857608	ESS LED 7W E27 2700K 230V R63	R63
929001857808	ESS LED 7W E27 6500K 230V R63	R63

Order Code	Full Product Name	Bulb Shape
929001857908	ESS LED 9W E27 2700K 230V R80	R80
929001858108	ESS LED 9W E27 6500K 230V R80	R80

## Approval and Application

Order Code	Full Product Name	Energy Consumption kWh/1000 h
929001857608	ESS LED 7W E27 2700K 230V R63	7 kWh
929001857808	ESS LED 7W E27 6500K 230V R63	7 kWh
929001857908	ESS LED 9W E27 2700K 230V R80	9 kWh
929001858108	ESS LED 9W E27 6500K 230V R80	9 kWh



## Essential LED

